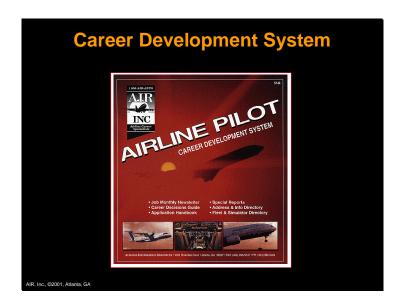
# 26th ANNUAL FAACOMMERCIAL AVIATION FORECAST CONFERENCE Pilot Shortages WASHINGTON, DC Presented by Tuesday Kit Darby Mar. 13, 2001





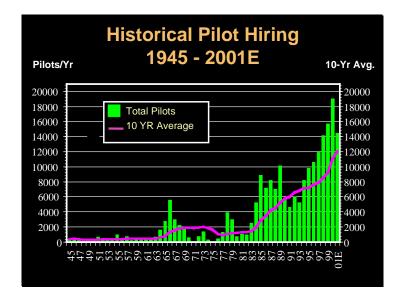
#### **4-Part Presentation**

- The Airline Pilot Job Market
  - Hiring trends
  - Factors that drive pilot hiring
- Job Search Planning
  - Getting the job you want fast
- Résumés, Cover Letters & Applications
  - Start Right or Improve
- Interview Preparation
  - Interview, Medical, Testing & Sim check

#### The Objective

- Provide up-to-date information on the airline pilot job market
- To achieve your goal of employment as an airline pilot
- To help you market yourself and play the odds





FEB '00 Hiring Summary						
Category	Total	Hiring	On Furlough	2000	'01 YTD	FEB
MAJORS	15	14	0	4,779	858	453
NAT'LS	32	25	108	6,601	1,095	454
JETS	54	34	283	2,805	452	222
NON-JETS	57	48	13	2,782	540	242
HELICOPTER	23	20	26	515	97	35
FRACTIONAL	5	5	0	1,363	169	93
CL/FOR/TNG	18	17	0	115	2	2
UPSTARTS	6	3	0	67	0	0
TOTAL	210	166	430	19,027	3,213	1,501

#### 9-Year Pilot Hiring Summary 1993 - 2001E 1998 1999 2000 2001E MAJORS 3,080 3,646 5,000 4,000 2,508 4,698 5,500 NATIONALS 6,601 JET OPS 2,015 1,946 2,805 1,800 NON JETS 2,566 2,256 2,507 2,000 FRACT'LS 840 HELO UPSTARTS TNG/FOR/CL TOTAL 5,387 8,188 9,002 10,781 11,936 14,143 14,500 AIR, Inc., ©2001, Atlanta, GA

# Pilot Hiring Past, Present, and Future

- This is based on:
  - Continued U.S. economic success of the airline industry
  - Major airline pilot hiring
  - Continued domestic growth of regional airlines & int'l growth of the U.S. airlines

# Pilot Hiring Past, Present, and Future

- Two- and three-pilot crews will lower the need for pilots
- Demand, due to growth and retirements, will be greater
- Re-engine and hush kit programs will keep fleets flying - DC-8/9, B-727/737 at AAL, DAL, UAL, USA, NWA-are now completed



### Major, National, Jet Operator & New Entrant Airline Growth

- AIR, Inc. forecast:
  - 12,000 in 1997 actual 11,936 (record)
  - 12,500 in 1998 actual 14,143! (record)
  - 14,000+ in 1999 actual 15,747 (record)
  - 19,027+ in 2001 (new record)
  - 14,500 projected for 2001
  - 50,000 new jobs flying jets by 2010!

# Factors That Drive Pilot Hiring Equipment Growth-Large Jets

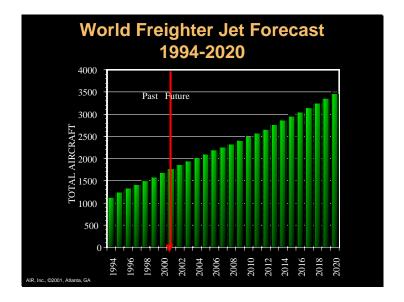
- 57% more large jet AC in the U.S. by 2020
- U.S. fleets will grow from 4,400 AC today to 6,900 by 2020 – 57% growth
- World fleet will grow from 14,334 AC today to 30,179 by 2020 – 90% growth

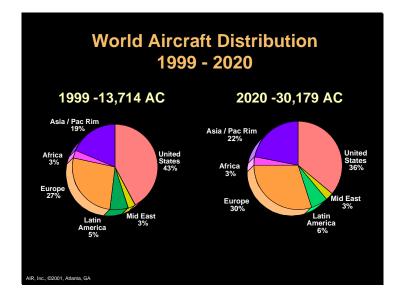
#### **Equipment Growth-RJs**

- 750 regional jets are on firm order with 220 deliveries due next year
- Regional jet fleet to grow from 900 jets today to 4,870 jets by 2019
- By 2019, RJs will comprise 15% of world fleet (7% today)

#### **Equipment Growth–Cargo**

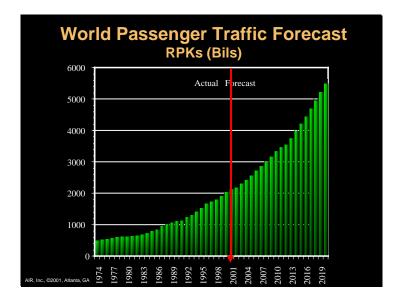
- Dedicated freighter service to grow 6.1% annually through 2020
- Freighter fleet to grow by 4,180 AC by 2020 (up 73%)
- 70% of demand will be met by used PAX AC





#### **Traffic Growth**

- Annual traffic growth of an average of 4.9% through 2019
- Regional RPMs to increase 8% per year through 2020
- Domestic / int'l freight RTMs to increase 5.6% and 6.7% annually by 2010



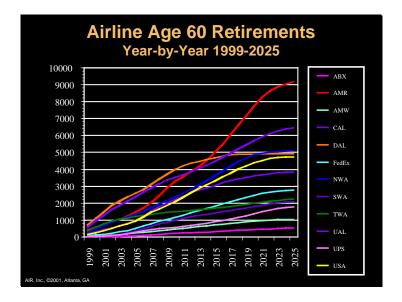
#### **Capacity**

- Airbus capacity to double by 2020 at an annual growth rate of 4.2%
- Seats will increase from 179 to 252 seats per aircraft
- Fairchild regional ASMs to increase 7% per year by 2020
- Seats on regional jets to increase from 33 seats to 42 seats by 2010

#### **Pilot Retirements**

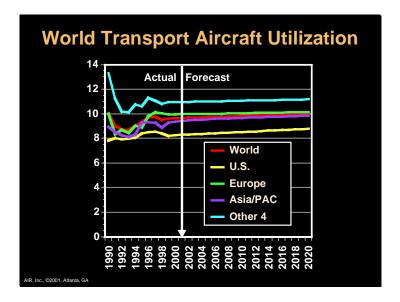
- Established airlines will retire 50% of their pilots by 2010 - 32% to 60%
- Some pilots are flying past age 60 as FE (274 at UAL - 3%)

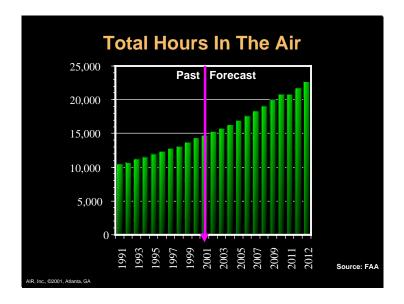


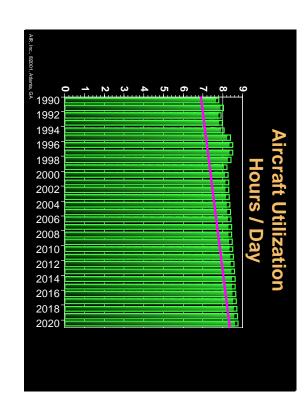


#### **Pilot and Aircraft Utilization**

- AC utilization is approximately 8.26 hours/day in the U.S.
- AC utilization expected to increase 5% annually over the next 20 years
- U.S. pilot productivity is nearing its maximum







#### **Pilot and Aircraft Utilization**

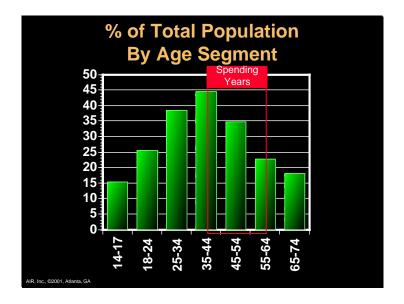
- 15 days / month =
- 80 hours / month =
- 160 on-duty hours / month =
- 240-320 hours away from home / month

#### **Work Rules**

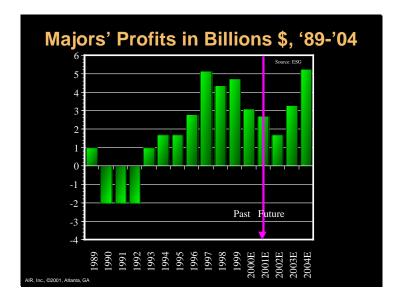
- Future productivity gains will be small
- The FAA maximum is 1,000 / 12 = 83 hours per month

#### **Consumer Demand**

- "Baby Boomers" are in their prime personal and business flying years – age 40-60
- Tourism is expected to grow 5.9% annually through 2006









# Risk Factors • Recession • Labor • Bankruptcy • Mergers

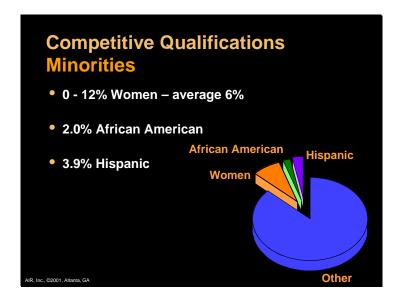
- Fuel Prices
- Cross-over Agreements
- New Entrant Airlines

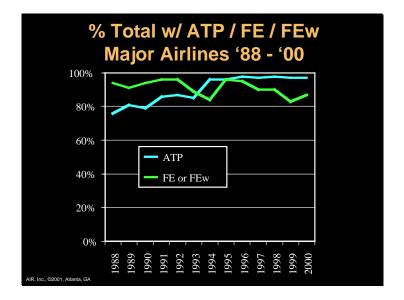
### **Minimum Qualifications**

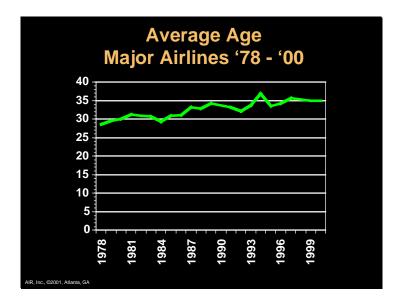
- All airlines have published minimum hiring criteria for pilots
- Most applicants exceed these normal minimums
- Minimum requirements are used to pre-screen applicants
- Those who fall short are not considered

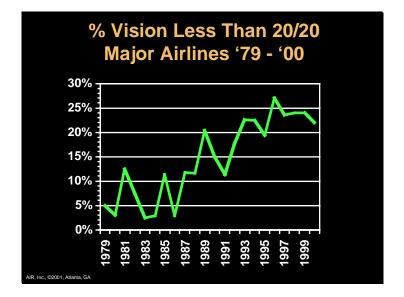
### **Competitive Qualifications Minorities**

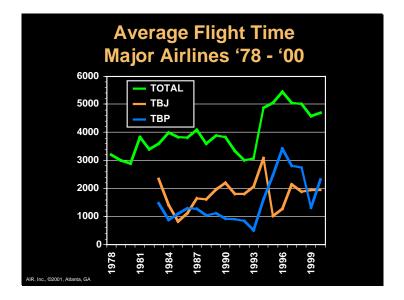
- The qualified minorities (women, African Americans, and Hispanics) are hired at the same ratio to those interviewed
- They do not have a better chance of success in the interview
- Minorities get hired a little younger with slightly lower average qualifications & experience

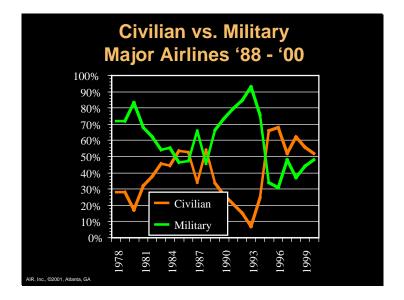


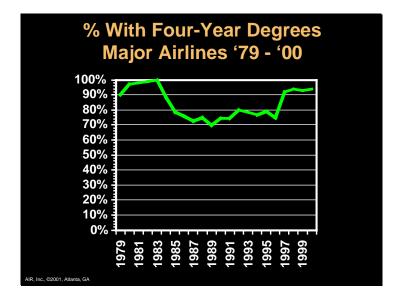












### **The Pilot Records Improvement Act**

- Adds elements to your background check dating 5 years back:
  - FAA records airmen's, enforcement,& medical
  - All employment records
  - Training records
  - Pilot performance

### **The Pilot Records Improvement Act**

- New amendment 10/97
  - Airlines can hire & train pilots pending a records check
  - Small carriers can hire, train, & fly pilots for 90 days pending a records check

### **The Pilot Records Improvement Act**

- Formal pilot screening was studied!
- Airlines could be required to use:
  - Written testing cognitive, intellect, and aptitude
  - Simulator evaluation
  - Pre-employment medical exam
  - ADA protections would be lost



### **Foreign Flying**

- Most western European carriers will not hire U.S. pilots
- Immigration with the right-to-work is difficult or impossible
- Pilot hiring and training procedures are very different

### **Crew Leasing**

- Most are based in Europe
- Most crew for carriers based in Asia, the Middle- and Far East
- Hire FAA licensed pilots
- Pilots must meet the requirements of the contracting carrier & country

# Foreign Flying & Crew Leasing Requirements

- High time in seat
- Large and/or heavy transport experience

### Corporate Flying 15,337 Pilots / 11,798 AC

- Corporate jobs are harder to obtain
- Who you know really counts
- Recommendations are a must
- The network is critical to getting most corporate jobs

### 8 Fractional Ownership 1,478 Pilots / 433 Aircraft

- First fractional airline: Executive Jet Aviation, 1986
- Concept: Individuals/companies buy a piece or fraction of an airplane
- Segment is experiencing significant growth

### **Fractional Ownership**

Today: Business Jet Solutions

Raytheon Travel Air Flight Options Gulfstream Share Citation Shares

Corporate Air Partners Executive Air Shares

- Considered an arm of corporate aviation
- Operationally structured more like an airline

### **Fractional Ownership**

• Minimum Requirements: depends on aircraft

• Total time: 1,500-2,000 for First Officers

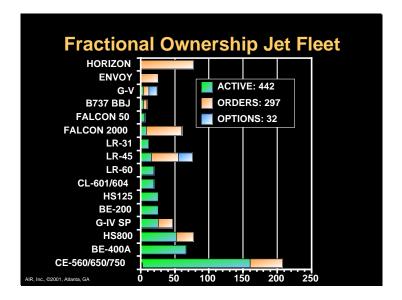
2,500-4,000 for Captains

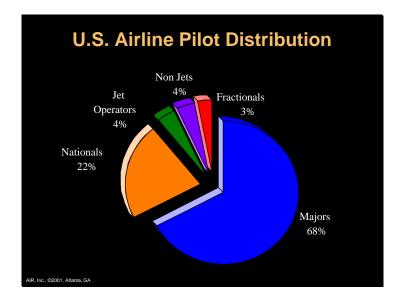
Jet Time:

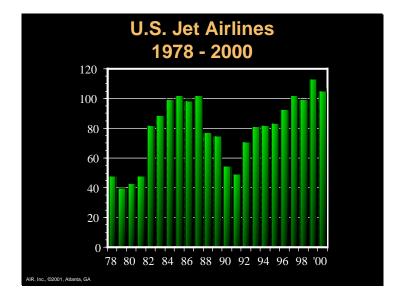
Usually required for Captains 500-1,500 hours w/ 300-500 in type

ATP, Class I, 6 mos currency, Other:

4-yr degree







### 7 New Entrants42 Pilots / 11 Aircraft

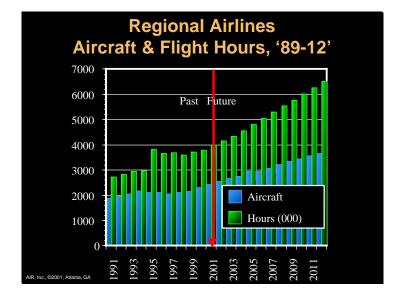
- The conversion to a low-cost market did not happen!
- New entrants have not had a major impact on the market
- Only 4% of total RPMs

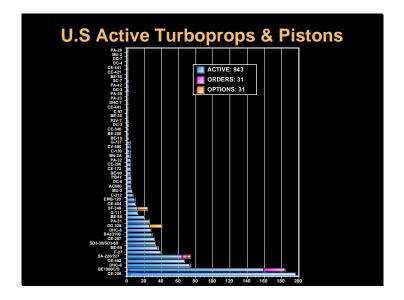
# New Entrants Requirements

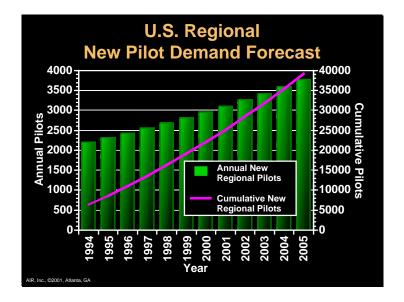
- Older pilot
- High flight time in transport category AC
- Type rated in fleet with experience
- Current and qualified within 1-2 years

58 Non-Jet Operators 3,671 Pilots / 1,140 AC

48 Hired 242 Pilots in FEB 2,782 in 2000 76% Hired in 2000!







### Non-Jet Operators Requirements

• Age range: civil / mil 24-53 / 42-53

Avg: civil / mil 36 / 47

• ATP: civil / mil 26% / 50%

• Total time: 600-15,500 (2,558 avg) civil

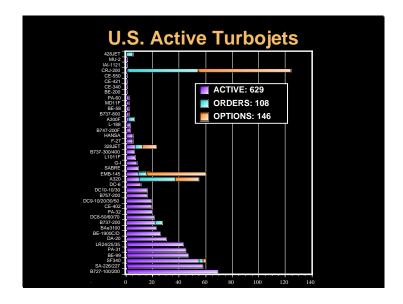
• Total time: 1,554-12,200 (5,097 avg) mil

 At least 200 hours of ME - 1,107 civilian average / 3,613 military average

• Some turbine experience is preferred

### 54 Jet Operators 3,611 Pilots / 732 AC

34 Hired 222 Pilots in FEB 2,805 in 2000 78% Hired in 2000



### **Jet Operators Requirements**

• Age range: civil / mil 23-56 / 31-62

Avg: civil / mil 36 / 41

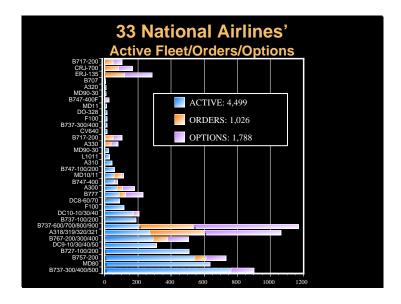
ATP: civil / mil 63% / 100%
 Type rating: civil / mil 44% / 68%

Total time: 900-14,575 (4,084 avg) civil
Total time: 2,341-28,000 (6,254 avg) mil

• 4-Yr degree: civil / mil 64% / 94%

#### 34 National Airlines 19,486 Pilots / 1,911 AC

25 Hired 454 Pilots in FEB 6,601 in 2000 34% Hired in 2000



### National Airlines Requirements

• Age range: civil / mil 21-53 / 26-57

Avg: civil / mil 34 / 37

• ATP: civil / mil 43% / 59%

Typed: civil / mil 12% / 22%
 Total time: 500-19,863 (2,680 avg) civil

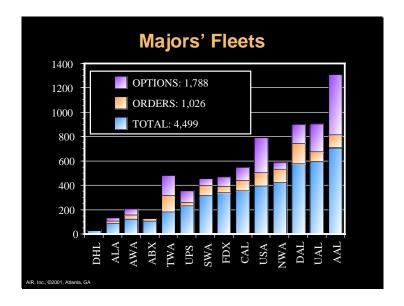
• Total time: 601-7,846 (2,834 avg) mil

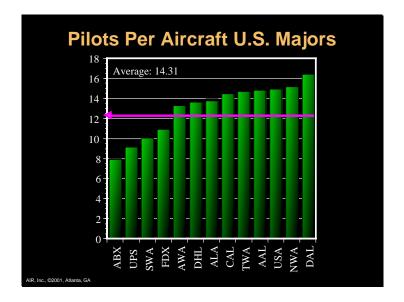
• Turbine: 800+ civil / mil 985 / 1,228

• 4-Yr degree: civil / mil 70% / 91%

15 Major Airlines 63,128 Pilots / 4,451 AC

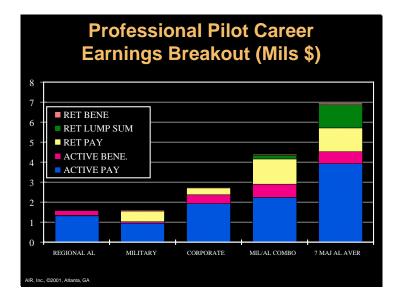
14 Hired 453 Pilots in FEB 4,779 in 2000 7.5% Hired in 2000

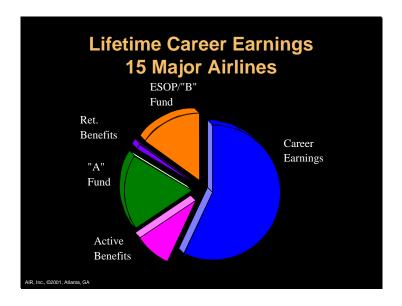


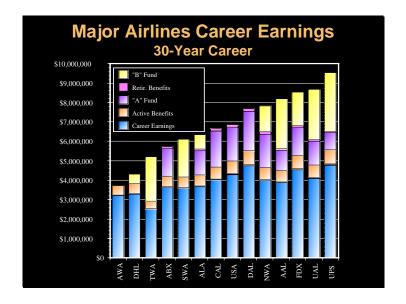


### **Major Airlines**

- A 30-year career with American, Delta, & United is between \$8.1m - \$12.7m
- United is the new top pay airline at \$12.7m
- Major airline average is now over \$8m
- Excellent retirement pay and benefits







## **Major Airlines Requirements**

• Age range: civil / mil 23-54 / 29-53

Avg: civil / mil 34 / 37

ATP: civil / mil 97% / 96%
 Typed: civil / mil 67% / 51%

Total time: 1,800-19,863 (5,775 avg) civil
Total time: 1,250-17,229 (2,951 avg) mil

• Avg ME: civil / mil 4,148 / 2,951

# **Major Airlines Requirements**

- 1,500+ hrs of turbine: civil / mil 2,170 / 2,097
- FE written exam: civil / mil 70% / 80%
- College degree: civil / mil 89% / 99%
- Civil / military / mixed background 50% 50% 32%

